R.C.C

Treatment

Treatment specific

Treatment specific disseminat.

- surgery
  - nephr. + excise solo meta.
  - palliation
  - radical
- radiation
- hormonal
- chemo
- radio-immun.
- bio logic

Treatment specific localized

- only curable
  - radical
  - angioinfarct.
  - adj. & neoadj.
  - caval thrombect.
  - laparoscopic radical
  - renal sparing
  - watchful W.
    - <3cm
    - old
  - option
    - tumor<4cm
  - absolute
    - in OFK
    - bilat.
    - von-hippel-lindou
    - angiomyolipoma

Treatment follow up

- after radical
- 3ms in 1st y
- then once yeary
- 5y survival
  - p77

incidence

- 3% of adult T.
- 90% of 1ry renal T.
- 5th-6th decade
- m.>F.
- Urban>rural

A/E

- unknown
- smoking
- asbestos & tanning

pathology

- Origin
  - Proximal tubular epith.
- site
  - cortical
- color
  - yellow or brown
- histo. pattern
  - clear-cell60-70%
  - papillary10-15%
  - chromophope5%
  - collecting duct carc.1%
  - unclass. 5%
- cut section
  - grading
    - 1→4
  - small
    - homogenous
  - large
    - hge
  - necrosis
- spread
  - direct
    - renal V.
      - tumor prolapse
        - renal V.
        - IVC
          - heart
          - no wall infil.
    - perirenal & adj.
  - meta.
    - lung
    - liver
    - bone
    - LN

staging

- TNM
  - accurate
- robson
  - I-in kidney
  - II- Gerota's
  - III
    - a-renal V. or IVC
    - b- regional L.N
      - pre&para aortic
      - interaortocaval
    - c- a&b
  - IV
    - a-adjacent org.
    - b- distant meta.

investigation

investigation biopsy

- FNAC
- laparscopy

investigation instrument.

- metastatic
- image
  - u/s
    - put
      - soft tissue
      - calcification
      - path. fract.
  - ivu
    - amputated calyx
  - CT
    - best
  - spiral ct
  - MRI & MRA
- follow up
- lab.
  - fitness

C/P

- paraneoplastic
  - prognostic
    - reversible
  - general symp.
- 2-classic triad
  - hematurea
  - flank pain
  - flank mass
- 1-incidentally